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California*

THE RESOURCES AGENCY
DEPT. OF CONSERVATION

DIVISION OF FORESTRY

NEWS LETTER

Aug. - Sept. 1964
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KEEP CALIFORNIA
GREEN and GOLDEN

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF CONSERVATION
DIVISION OF FORESTRY NEWS LETTER

Published monthly in Sacramento for and by Division personnel. Its pages contain current facts, problems, and events relating to Forestry and to the experiences of Division personnel.

F. H. RAYMOND - STATE FORESTER

**ADMINISTRATIVE
—DISTRICTS—**

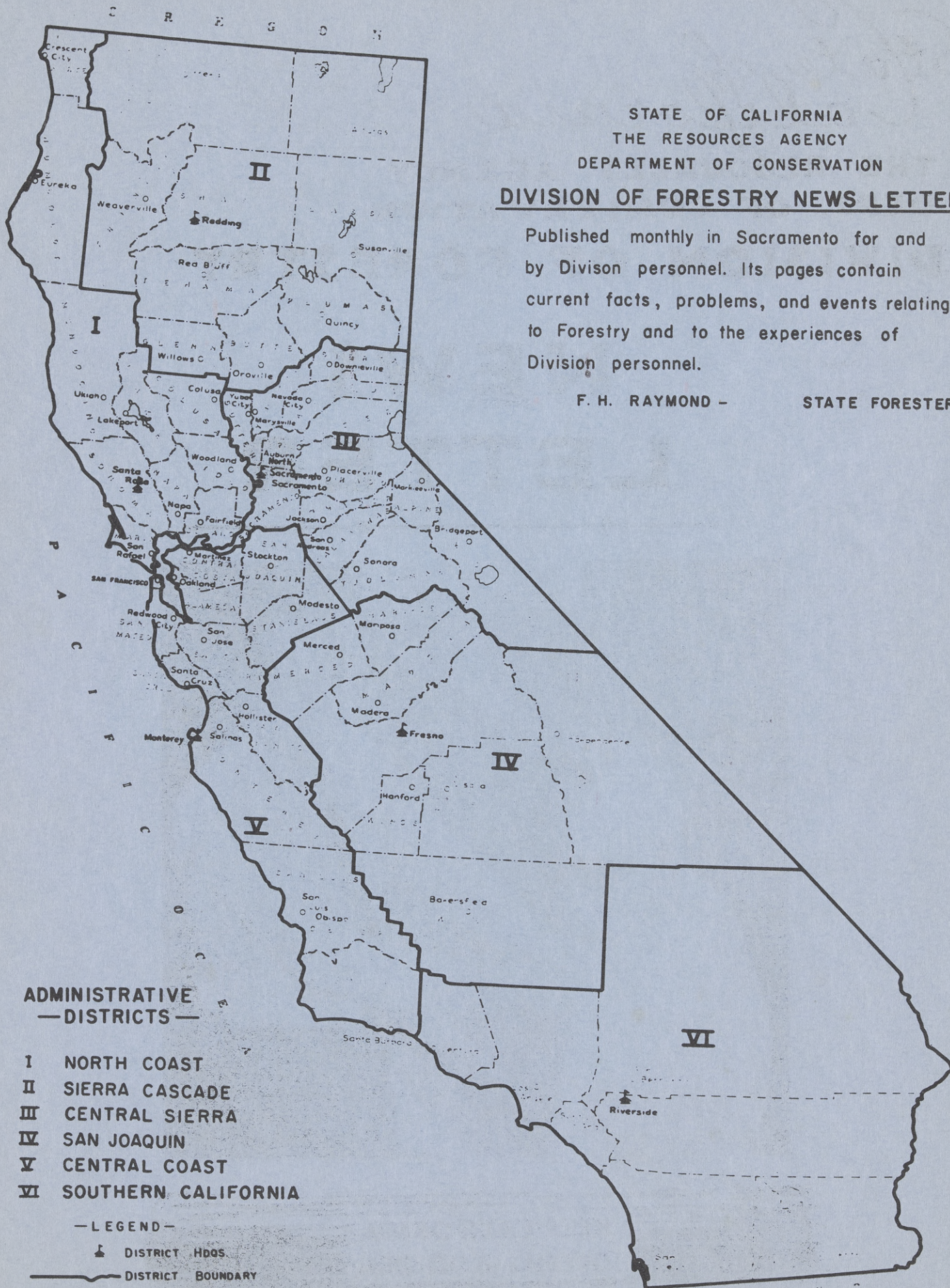
- I NORTH COAST
- II SIERRA CASCADE
- III CENTRAL SIERRA
- IV SAN JOAQUIN
- V CENTRAL COAST
- VI SOUTHERN CALIFORNIA

—LEGEND—



DISTRICT HDQS.

DISTRICT BOUNDARY



COVER PAGE

On July 6, 1964, Hilbert Michael, Camp Crew Cook in the San Luis Obispo Ranger Unit, was honored by his fellow employees in recognition of 25 years service with the California Division of Forestry. Ranger Jim Dulitz presented him with a Certificate of Service signed by Governor Edmund G. Brown, a congratulatory letter from State Forester F. H. Raymond, and a 25 year pin.

Mike, as he is known by his co-workers, began working with the Civilian Conservation Corp in 1934. In 1939 he accepted employment as a Forest Fire-fighter in Santa Clara County. In 1940 he assumed his job of cooking for Forestry crews. After a hitch with the U. S. Army, from 1942-1946, he returned to San Luis Obispo County, continuing his duties in the messhall.

Mike is a familiar figure as the Headquarters Station cook in San Luis Obispo, and is oft-times seen on the fire line serving meals to fire crews from the steam table, or acting as head cook in a fire camp. He is real proud of the fact that he has never taken a day sick leave during the period of time he has been in State service. To the best of our knowledge Mike is the first Camp Crew Cook in the Division to receive his 25 year pin.

JULY ACTIVITIES

FOREST FIRE LOSSES INCREASING

Forest fires are being started more frequently and are burning larger acreages before being controlled than last year. The worst period so far this year was between July 10 and 20 when 361 fires scorched 27,581 acres.

Fire incidence from January 1 through July 31 was 2,044. This compares to 1,334 last year and five-year average of 1,425. Acreage burned this year through July 31 is 55,647 which

is almost four times as great as the 14,018 acres burned last year between January 1 and July 31. The five-year average is 75,473 raised to this high figure by the disastrous 1960 and 1961 fire season.

Estimated grazing and forest losses so far this year are \$371,859. Vehicle and structure losses in forested areas are estimated at \$3,530,962.

ELECTRONICS AND THE WEATHER BUREAU AID FIRE MANAGERS

Knowing what the weather will be in a few minutes, a few hours of farther ahead can be one of the most important bits of knowledge a fire manager can have. Always there is a financial consideration; often the safety of firefighters depends on knowing, not guessing, what the weather will be like at a given time.

All mobile weather stations used by fire managers in California to help with their "on the scene" fireline decisions are now equipped with "instant weather maps" made and analyzed by the U. S. Weather Bureau and transmitted by radio to any fire managers using one of the seven mobile weather forecasting units available to the Division of Forestry and the U. S. Forest Service.

Better fire weather information is now available in a matter of minutes than formerly could be obtained in an hour or more.

In addition to regular weather maps and analyses of fire weather information, both the Sacramento and Los Angeles offices of the Weather Bureau are now equipped to make and transmit to firelines special weather maps involving unusual occurrences or localized and micro-climates not readily obtainable from regular U. S. Weather Bureau reports or from statewide or district-wide fire weather forecasts.

FORESTERS AID VALLEY CHIEFS IN FIRE CONTROL

Fire control research experts from the Department of Conservation's Division of Forestry assisted local fire chiefs in preparation of plans for air attack on grass and grain fires in valley areas during severe weather when this type of fire is dangerous and difficult to control.

Some of the chiefs are seriously considering using crop dusting aircraft with some of the retardants developed through forestry research.

AUGUST ACTIVITIES

INCENDIARISM CAUSES SEASONS LARGEST TIMBER FIRE

During the last week in August a series of incendiary fires in Trinity County resulted in the largest timber fire since 1955 on lands protected by the Department of Conservation's Division of Forestry. Total acreage burned in the one large fire, which resulted from two or more sets, was 17,400. Timber losses alone exceeded \$500,000. Soil erosion potential, damage to watershed, and recreational losses have not been evaluated.

Incendiarism remains a primary cause of forest fires in California and is responsible for by far the State's greatest forest fire losses since these fires are started when and where they will cause problems for the fire control agencies.

FORESTERS USE SPACE SCIENCE KNOW-HOW

Foresters from the Department of Conservation's Division of Forestry have joined with the United States Forest Service in checking work of research scientists in the National

Aeronautics and Space Administration Ranger (moon survey) Program for new knowledge or techniques which can be utilized in forest fire control work. The primary area of search is in instruments or knowledge related to infra-red scanning equipment for detection and mapping of forest fires.

Airborne infra-red equipment has been successfully used this year on the Crabtree Fire in the Mendocino National Forest and the seasons biggest timber fire which burned 17,400 acres of mostly privately-owned timber in Trinity County.

Infra-red equipment used in "Project Fire Scan" enables observers to "see" fire perimeter, hot spots, and topographic features of the area burned even at night and through dense smoke.

The Aeronutronics Division of the Philco Corporation, a subsidiary of the Ford Motor Company is cooperating with the fire control agencies in the specialized research.

FOREST TREE SEED PLENTIFUL

Foresters in the Department of Conservation's Division of Forestry report a fair to good crop of forest tree seed available in most areas of public and privately-owned timber. Conservation Camp inmates and crews from fire control stations are making plans to collect some 3,900 sacks of cones which is expected to furnish seed for an estimated production of 3.8 million seedlings in the four State-owned nurseries operated by the Division of Forestry.

The total 1964-65 seedling production is enough to reforest about 4,000 acres.

PERSONNEL CHANGES - ADMINISTRATION

7-20-64 Robert H. Blanford promoted from Forester III in Riverside to Assistant Deputy State Forester, Forest Management Section, Sacramento.

7-31-64 Donald L. Clawson transferred from Department of Water Resources as Engineering Aid II in Engineering Section.

7-31-64 Edward M. Graham changed from TAU to limited-term Assistant Construction Inspector in Monterey.

8-5-64 Gayle R. Madden appointed as Intermediate Typist Clerk in Management Services Section.

8-7-64 Donna L. Young resigned as Intermediate Typist Clerk in Management Services Section.

8-10-64 Dorothy E. Brown appointed as Intermediate Typist Clerk in Management Services Section.

8-14-64 Gwen Anglesey resigned as Intermediate Typist Clerk in Management Services Section.

DISTRICT I

7-15-64 Allan B. Gradek was promoted from Forest Fire Truck Driver to Forestry Foreman I, Sonoma County.

7-13-64 Vernon R. Bonham, Jr. was promoted from Forest Fire Truck Driver, Tuolumne County, District III, to Forestry Foreman I, Humboldt County.

7-16-64 William H. Smith, Forest Fire Truck Driver, Napa County, resigned.

7-15-64 Edmond T. Huff was re-employed as Forest Fire Truck Driver, Mendocino County.

7-15-64 Mark E. Cauch, Forestry Foreman II, Alder Conservation Camp, resigned.

7-31-64 Robert H. Kinzy was appointed as Forestry Graduate Trainee at District Headquarters.

7-4-64 The Mobile Conservation Camp and employees were relocated from Hendy Woods at Philo to Jackson State Forest, Fort Bragg.

8-10-64 Harold S. Cummins, Forestry Foreman II, Lake County, was promoted from Forestry Foreman I in District II.

DISTRICT II

7-30-64 Charlotte Cannon resigned as Intermediate Typist Clerk in Butte County.

8-10-64 Michael J. Barber promoted to Forestry Foreman I from Forest Fire Truck Driver in Tehama County.

7-1-64 Richard W. Kyle appointed as Forest Fire Truck Driver in Butte County.

7-30-64 H. E. Ripley Jr. resigned as Forest Fire Truck Driver in Butte County.

DISTRICT III

6-15-64 Wheeler, Richard A., appointed as Forester II in Sacramento County.

7-13-64 Batchelder, E. Alan, appointed as Forestry Graduate Trainee in Sacramento County.

- 6-1-64 Kelly, Joseph E., appointed as Forestry Foreman II in Calaveras County.
- 7-1-64 Bridges, John T., appointed as limited term for Forestry Foreman I in Tuolumne County.
- 7-7-64 DeMasters, Buddy P., appointed as Forest Fire Truck Driver in Calaveras County.
- 7-31-64 DeMasters Buddy P., promoted to Forestry Foreman I in El Dorado County.
- 7-1-64 Krogsrud, Jon H., appointed for limited term as Forestry Foreman I in Nevada County.

DISTRICT IV

- 7-6-64 Larry R. Beck promoted to Forestry Foreman I in Merced County from Forest Fire Truck Driver in Fresno Co.
- 7-31-64 Robert M. Beilage promoted to Forestry Foreman I in Tulare County from Forest Fire Truck Driver.
- 7-1-64 William C. Crookshanks promoted to a limited term Forestry Foreman I in Tulare County from Forest Fire Truck Driver in Fresno County.
- 7-31-64 Billy G. Whicker promoted to Forestry Foreman I from Forest Fire Truck Driver in Fresno County.
- 7-31-64 Eugene D. Barrier promoted to Forest Fire Truck Driver from Forestry Fireman in Fresno County.
- 7-22-64 Harvey D. Holland promoted to Forest Fire Truck Driver from Forest Firefighter in Tulare Co.
- 7-31-64 William L. Johnson promoted to Forest Fire Truck Driver in Fresno County from Forest Firefighter.
- 7-15-64 Terry L. Lishman promoted to Forest Fire Truck Driver in Merced from Forest Firefighter in Mariposa.
- 7-6-64 Gerald H. Scharton promoted to Forest Fire Truck Driver from Forest Fireman in Fresno County.
- 7-8-64 Stev C. Webb promoted to Forest Fire Truck Driver from Forest Firefighter in Madera County.
- 7-20-64 Jane A. Dowling appointed as in intermittent Stenographer in Inyo County.
- 7-27-64 Steven L. Birge appointed as Forestry Graduate Trainee in Fresno County.
- 7-30-64 Robert R. Young resigned as Forestry Foreman in Tulare County.
- 7-13-64 Miyoko Kimura appointed as Intermediate Typist Clerk in Tulare County.

DISTRICT V

- 7-1-64 Robert E. Paulus, Forestry Foreman I, Monterey County, promoted to Assistant State Forest Ranger Santa Clara County.
- 7-13-64 Hazel C. Johnsen, appointed Intermediate Stenographer, Santa Cruz County.
- 7-28-64 Michael J. Dudgeon, Forest Fire Truck Driver, Santa Clara County, took a military leave for 6 months.

7-31-64 Gladys Nicolaus, appointed
Intermediate Stenographer,
Monterey County.

DISTRICT VI

7-31-64 Edward F. Martin promoted
from Forester II at Humboldt
County to Forester III at
Riverside County.

7-6-64 John P. Popelka appointed as
Forestry Graduate Trainee at
Riverside County.

8-3-64 Dennis L. Bebensee appointed
as Forestry Graduate Trainee
at Riverside County.

7-31-64 Thomas S. Holland promoted
from Assistant State Forest
Ranger to Forestry Superin-
tendent, Conservation Camp
at Rainbow Conservation Camp,
San Diego County.

7-1-64 Nick C. Neve promoted from
Forest Firefighter to Forest
Fireman at Orange County.

7-1-64 John W. McFadden promoted
from Forest Firefighter to
Forest Fireman at Orange Coun-
ty.

7-1-64 Jack W. Parnell promoted from
Forest Firefighter to Forest
Fireman at Orange County.

7-1-64 John J. Enzler, Jr. promoted
from Forest Firefighter to
Forest Fireman at Orange County.

7-1-64 John W. Glover promoted from
Forest Firefighter to Forest
Fireman at Orange County.

7-1-64 George D. Galton promoted from
Forest Fire Truck Driver to
Forestry Foreman I at Riverside
County.

7-1-64 William S. Mardock pro-
moted from Forest Fire
Truck Driver at San Diego
County to Forestry Foreman
I at San Bernardino County.

7-1-64 Norman J. Silver promoted
from Forest Fire Truck
Driver to Forestry Foreman
I at Riverside County.

7-1-64 Richard I. Younghusband
promoted from Forest Fire
Truck Driver to Forestry
Foreman I - at San Diego
County.

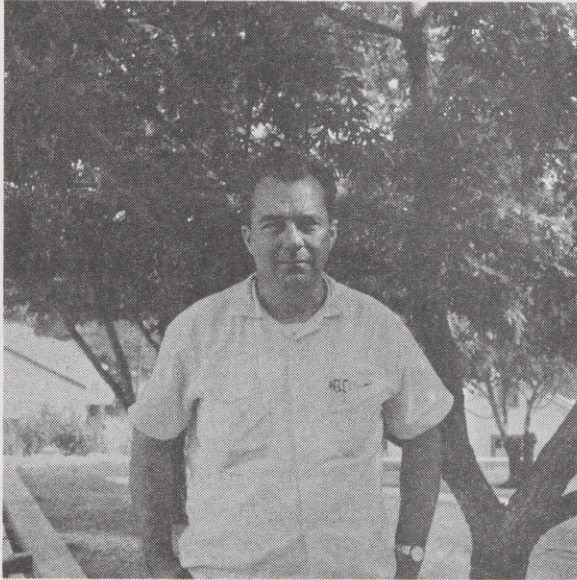
7-13-64 Richard W. Coyle promoted
from Forest Firefighter to
Forest Fire Truck Driver
at Riverside County.

7-22-64 Phillip D. Difani promoted
from Forest Firefighter to
Forest Fire Truck Driver at
Riverside County.

7-1-64 James A. Krause promoted
from Forest Firefighter to
Forest Fire Truck Driver
at San Diego County.

7-10-64 John L. Lisko promoted from
Forest Firefighter, San Diego
County, to Forest Fire Truck
at Orange County.

7-27-64 Eric L. Vogt, Forest Fire
Truck Driver at San Diego
County, on Military Leave.



GEORGE BERDAN - OUT OF UNIFORM

George Berdan, Division of Forestry Assistant Law Enforcement Coordinator, resigned on August 31, 1964, to engage in private practice as a fire liability consultant. Berdan will establish headquarters in Sacramento.

George started with the Division of Forestry in 1941 as a fire fighter in Riverside County. He worked his way up fire control ranks to Assistant State Forest Ranger in Napa County. With promotion to Associate Ranger, Berdan apprenticed under the old sleuth, Stu Schick, in forest fire investigation and fire liability. Again, with a promotion to Fire Prevention Officer in Sacramento, Berdan headed up a number of the Division's law enforcement activities as Assistant Law Enforcement Coordinator under Attorneys George Sweeney and Bill Murray,

and Law Enforcement Coordinator Deane Bennett.

Berdan has seen service in almost every county in California and has been assigned in Riverside, Napa, Mendocino, and Sonoma Counties, and Sacramento Headquarters.

He has worked in ground fire control, has directed air tanker activities, coordinated a number of law enforcement and investigating specialties, and has won Nationwide attention with lectures and articles on expert witness testimony and fire investigation.

Perhaps his greatest contribution to natural resource conservation in California was in working with the Senate Natural Resources Committee in giving birth to Senate Bill 643, which resulted in the first major legislation in forest fire prevention since 1919.

LETTER TO MR. ALLEN, SUPERVISOR,
ORANGE COUNTY

"Mr. Becker and I very much appreciate the efficiency and courage that your boys showed at the fire in our home in Emerald Bay at Laguna Beach on May 21st. The response was instant and they were so gentlemanly, and we are certainly appreciative and most grateful that we have young men of that calibre working for the forestry. They did an excellent job and the cleanup service was outstanding.

"Sincerely yours"

/s/ Mrs. Ernest A.
Becker, Jr.

SMOKE BLACKENED ACRES...

(Here in Willits we watch the Division of Forestry crews in their red trucks and the Honor Camp crews in their green ones, responding to fire calls in outlying districts without much concern. But to the residents in those wide flung hills, their skill and speed in combating wildfires can mean the difference between life and death. We gladly publish this salute to these gallant men, written by Verna Haas.--Ed.)

BY VERNA HAAS

The Alva Haas family held front row seats in their patio Monday afternoon (July 27) watching a small blossom of white smoke develop into a raging monster of flaming destruction rushing in front of the afternoon breezes. It seemed almost a matter of minutes until a State Forestry plane had the fire spotted and crews were in instant preparation to be on the scene.

The air seemed already hot enough to explode and then, whoosh! a white column of smoke erupted on the hillside slope above the Cherry Creek railroad trestle and Outlet Creek on the Shamrock ranch acres. From but a small fire, in moments it raced up to the topmost bare branches of pitch filled dead snags and then spread with the breeze across the ridge from treetop to top until it was far in the distance of smoke filled canyon and draw.

Planes heavily loaded enough to look clumsy, slowly circled and swooped down over the first flaming mass; with a whooshing noise a red wave of foaming mixture was ejected from the tail of the silver airplane blossoming into a great blanket of color slowly settling over the raging fire.

One huge fir snag, bare of branches, flamed far into the night. Today it is still standing black and tall into the sky, bearing mute testimony to

the monster that raged among and destroyed the surrounding grass and vegetation and beautiful trees that just yesterday covered the slopes.

Men and trucks arrived on the mountain side, and, armed with their hand equipment looked small and ineffectual but soon fire trails appeared almost as if by magic but from the quick effort of all the men who wielded shovel and hoe. Jeeps and dozers soon joined the throng; racing against the wind to keep ahead of the fire.

The smoke rose in great clouds of color sometimes white and again tinged orange and beige and then black and gray and then occasionally the smoke would miraculously clear and the flames would show, whirling and leaping into the branches of a tree and then again across the slope in tinder dry grass and brush. The smoke was carried more in a northerly direction away from us and with the sun shining down on the swirling cloud it was like looking into an eclipse without glasses. Reports were that Covelo and Dos Rios were obscured by smoke like a dense fog.

Men who were piloting the planes, operating the bulldozers and wielding the shovels and hoes must have been praying for a rain (as we were) for in the early hours of Tuesday morning a thunder shower dampened the area enabling the crews to completely circle the fire and then to even get in for closer work in mopping up operations.

You can't sleep very well with your own hillsides covered with dry brush and grass but you don't dare leave until such is necessary. Tuesday morning I learned that a fire had started directly in back of us that I knew nothing about. Smoke obscures the skyline today and the air is terribly humid. Our water supply would not help much and we, as do all our neighbors, thank the quick and helpful efforts of all

those plucky firefighters belonging to the Division of Forestry. In the darkness they dared the dangers of the flames, falling trees, rattlesnakes (they are there), and being trapped in downdrafts or on foot in the fury of the flames surrounding the plucky man behind the hoe.

The Forestry whirlybird is flying over the scarred acres today in the mopping up operations and surveying the area of damage which I'm sure will run into several hundred acres.

Willits News
August 5, 1964

WORLD'S TALLEST REDWOOD GETS SPECIAL PROTECTION ON INDUSTRIAL TREE FARM

Arcata Redwood Company announced Wednesday that a special "Helitack" fire plan has been put into effect to protect the world's tallest redwood tree in case of forest fire.

Howard A. Libbey, company president, said a cooperative company-state forestry department plan provides for rushing firefighters by helicopter to the site of the record-holding highest--as well as the second, third and sixth highest--trees within 20 minutes after a fire is reported. The plan has been approved by the California State Board of Forestry.

The announcement was made after a lightning-caused fire in a giant Sierra redwood tree in Sequoia National Forest, burning since the tree was struck over a week ago, brought a series of inquiries to the company about the protection being afforded the world's new timber giants on its Tree Farm lands.

Libbey said the special fire plan became urgent when discovery of the new world-record trees brought an influx of visitors to the grove on the company's 22,000-acre Tree Farm along Redwood

Creek in Humboldt County, thereby increasing the danger of fire in the grove of giants. Natural accumulation of branches, needles and other debris around the grove of tall trees is several feet deep in some places, he added.

Eugene Hofsted, company chief forester, said there is minimum danger of lightning-caused fires in the coastal redwood region, but that "the danger we are most concerned about is man-caused fires, which account for 90 percent of coastal redwood fires."

Arcata Redwood's champion stands 367.8 feet tall, eclipsing the 356.5-foot former champ in Humboldt Redwoods State Park.

American Forest Products Industries
August 12, 1964

DRESSER NEW SUPERVISOR -- ANGELES NATIONAL FOREST

William T. Dresser, 44, will be the new Forest Supervisor of the Angeles National Forest. Dresser will replace the late Sim E. Jarvi who died of a heart attack while hiking over the Mt. Waterman trail on a forest inspection trip.

Dresser, who now works out of the Regional Forester's office in San Francisco, has a good background in the natural resource conservation problems of Southern California. He was born in Glendale, and attended public schools in South Pasadena. He was Assistant Forest Supervisor of the Angeles National Forest from 1958 to 1961 and District Ranger of the Arroyo Seco District of the same Forest for two years before that. Previously he had been District Ranger at San Luis Obispo, Los Padres National Forest.

Dresser graduated from the University of California School of Forestry in 1942, served 4 years with the Navy

during World War II and worked in the Shasta, Plumas, and Modoc National Forests before moving to Southern California in 1953.

National Forest News

THE SOCIETY OF AMERICAN FORESTERS HAVE MEMBERSHIP DRIVE

The Society of American Foresters is conducting a special membership drive this year. It is being directed at the 1 out of 3 foresters that do not belong to this professional organization.

Many of the non-members are those who have dropped out of the Society for one reason or another. To promote reinstatement of former members the SAF has declared a one-year moratorium, commencing July 1, 1964, on payment of back dues owed by delinquent members. In effect then a former member can receive reinstatement just by paying current year dues.

The Society is also anxious to offer membership to the many recent forestry graduates who have not yet become members.

There are many advantages in being affiliated with a professional organization. Some of the principal ones are: means of communication of technical and other important information, promotion of professional standards and image, an official voice to represent foresters before political and other scientific bodies, and opportunity for fellowship with professional associates.

Eligible CDF employees may wish to give serious consideration to such membership. Those interested may obtain additional information from local SAF Chapters; or from Robert

Burns, Northern California SAF Section Membership Chairman, Route 1, Box 10, Nevada City; or Vern E. Smith, Southern California Membership Chairman, Idyllwild.

NATIONAL BANK LOANS ON FOREST TRACTS

On June 30, 1964, H. R. 8230 became Public Law 88-341. The law amends Section 24 of the Federal Reserve Act to liberalize the conditions of loans by National Banks on properly managed forest tracts by (1) broadening the basis of the loan security to "growing timber, land and improvements"; (2) increasing loan term periods; and (3) increasing the loan ratio from 40% to 60% of the appraised fair market value.

American Pulpwood Association

EYEBALL TO EYEBALL WITH BRUIN

Two Mountain Home Conservation Camp inmates who are responsible for the hauling of trash and garbage to the dump area below camp were dealt a surprise when they began dumping garbage into a 10' deep pit, covered with a steel-wire-type mesh.

It seems that someone had left the trap door open and a 300 pound black bear had dropped in for a feast. Needless to say, after coming eyeball to eyeball with bruin, the two inmates beat a hasty retreat. Later on, by direction of Game Warden Joe Burnett, a large log with some steps was placed in the pit, and a check the next morning revealed that bruin had departed for parts unknown.

F. W. McGregor
Assistant State Forest
Ranger



25 YEARS COMPLETED BY DELBERT CURTIS

Delbert (Del) Curtis was presented with a 25-year certificate and lapel pin recently at Felton by State Forest Ranger Lester Gum.

Del started his career with the Division in June of 1936 as a Fire Truck Driver at the Almaden Station in Santa Clara County.

The following year, 1937, he was assigned to the Almaden CCC Camp as a L.E.M. where he served in that capacity until May of 1938 when he returned as a Fire Truck Driver at the Alma Station.

In March of 1942, Del was appointed as a "Duration Assistant Ranger" in Santa Clara County and remained in this position until September, 1943, when he enlisted in the U. S. Navy. Del saw service in the South Pacific during World War II and returned to Santa Clara County to

resume his duties as Duration Assistant Ranger in January, 1946.

In March of 1947, he was transferred to Santa Cruz Ranger Unit as Assistant Ranger and has remained there in that capacity ever since.

HISTORICAL INQUIRY

July, 1964, saw another "first" in extra-curricular activities above and below the Mountain Home State Forest. Tom Pope, Forestry Aid, singlehandedly climbed craggy, 9,331-foot, Mount Moses just north of the State Forest and added his name to the roster left there by the Sierra Club. So far as known, he is the first Division of Forestry employee to scale this peak.

Other "firsts" for Division of Forestry employees in recent years were the exploration of Haughton's Cave last August by Forestry Camp Superintendent Ray Little, Assistant Civil Engineer Dave McAnlis, and myself, and the climbing of the highest peaks of Mount Maggie (10,235 feet) by McAnlis, Forestry Foreman George Tate, Forestry Aid Dan Purkey and myself in 1962.

Does anyone know of earlier ascents or descents at these locations by Division of Forestry employees? If so, would you please be kind enough to drop me a line.

Floyd L. Otter
Forest Manager
Mountain Home State
Forest

NEVADA-YUBA RANGER UNIT
HOSE CART CHAMPIONS

The Northern California Hose Cart Championship was awarded to the Nevada-Yuba Ranger Unit for the third consecutive year by virtue of the winning time of 23 seconds flat. Only 7/10 of a second separated our team from the Nevada City Fire Department. Because of the third consecutive win the impressive trophy now becomes the permanent property of the Nevada-Yuba Ranger Unit.

This annual hose cart race takes place alternately in Nevada City and Grass Valley on the 4th of July. The race consists of pulling the 350 pound hose cart 100 yards to a hydrant or fire truck, laying 50 feet of 2½ inch hose and then putting water through a 1 inch nozzle. The team consists of six men who are assigned specific tasks in the race.

Team members are from left to right - Arlen Cartwright, Forestry Foreman I; Bud Wood, Forestry Foreman I; Carroll Beaver, Forestry Foreman I; Jerry Miller, Forestry Equipment Operator; Dan Boom, Forestry Foreman I, and Jim Simmons, Forest Firefighter (seasonal).

Fire Chief Don Wasley of the host Nevada City Fire Department is holding the trophy prior to presentation.



LETTER FROM SAN BERNARDINO NATIONAL
FOREST TO RANGER SKINNER

"I want to personally thank you for the all-out help you, Tom, Cy, and the entire CDF gang provided on the recent Cozy Dell Fire. This was one of the rougher fires of the past decade, and will long be remembered for its explosive rates of spread and potential for disaster to both the watersheds and forest-using public.

"While the losses sustained were serious, it could have been much worse. The outstanding assistance given by the State Division of Forestry forces under your direction was a major factor in the ultimate control. Please extend our thanks for the help to each of your men.

"Sincerely yours,"

/s/ Don R. Bauer
Forest Supervisor

PERSONNEL CHANGES - ADMINISTRATION

9-1-64 Frances McIlvain appointed as Intermediate Stenographer in Forest Management.

DISTRICT I

7-31-64 Jack McIlroy was promoted from Forestry Foreman I, District V, to Forestry Foreman II at Black Mountain Conservation Camp.

7-31-64 Larry E. Birge was promoted from Forest Fire Truck Driver, District III, to Forestry Foreman I, Humboldt County.

DISTRICT II

8-24-64 Catherine K. Angel transferred from the Division of Highways to Shasta County as Senior Stenographer.

8-24-64 Mildred L. Haddock appointed Intermediate Typist Clerk in Butte County.

8-14-64 Virginia A. Rice resigned as Intermediate Typist Clerk in Butte County.

8-17-64 Barbara Kapusta appointed as Intermediate Typist Clerk in Butte County.

8-26-64 William L. Cushman promoted from Forest Firefighter to Truck Driver in Lassen County.

DISTRICT III

8-7-64 Lee, Harry M., promoted to Forestry Foreman II in Tuolumne County.

DISTRICT IV

8-24-64 Vernon E. Halstead appointed as Carpenter, casual employment, in Fresno County.

7-31-64 Virgil A. Caldwell promoted from Forestry Foreman I to Forestry Foreman II in Tulare County.

7-31-64 Billy G. Whicker promoted to Forestry Foreman I from Forest Fire Truck Driver in Fresno County.

8-24-64 Gerard J. Reinhart promoted to Forest Fire Truck Driver from Forestry Fireman in Fresno County.

DISTRICT V

8-18-64 Helen M. Elmore, appointed Intermediate Typist Clerk, Monterey County.

9-10-64 E. Patricia Mesecher, Intermediate Account Clerk, Monterey County, separated.

DISTRICT VI

8-7-64 Muriel A. Holm, Intermediate Stenographer at San Bernardino County, accepted a position at Patton State Hospital.

8-10-64 Eva G. Leindecker reinstated as Intermediate Stenographer at San Bernardino County.

8-17-64 Curtis Hegg promoted from Forestry Foreman II at Murietta Conservation Camp, Fresno County, to Assistant State Forest Ranger at Puerta La Cruz Conservation Camp, San Diego County.

8-17-64 George W. Barnhill promoted from Forestry Foreman II to Assistant State Forest Ranger at Don Lugo Conservation Camp, San Bernardino County.

- 8-7-64 John T. Childers promoted from Forest Firefighter to Forest Fire Truck Driver at Riverside County.
- 7-31-64 Jay E. Gaskill, Jr. promoted from Forest Firefighter to Forest Fire Truck Driver at San Bernardino County.
- 7-31-64 George R. Sarantos promoted from Forest Firefighter to Forest Fire Truck Driver at San Diego County.
- 8-19-64 Jeff W. West promoted from Forest Firefighter to Forest Fire Truck Driver at San Diego County.

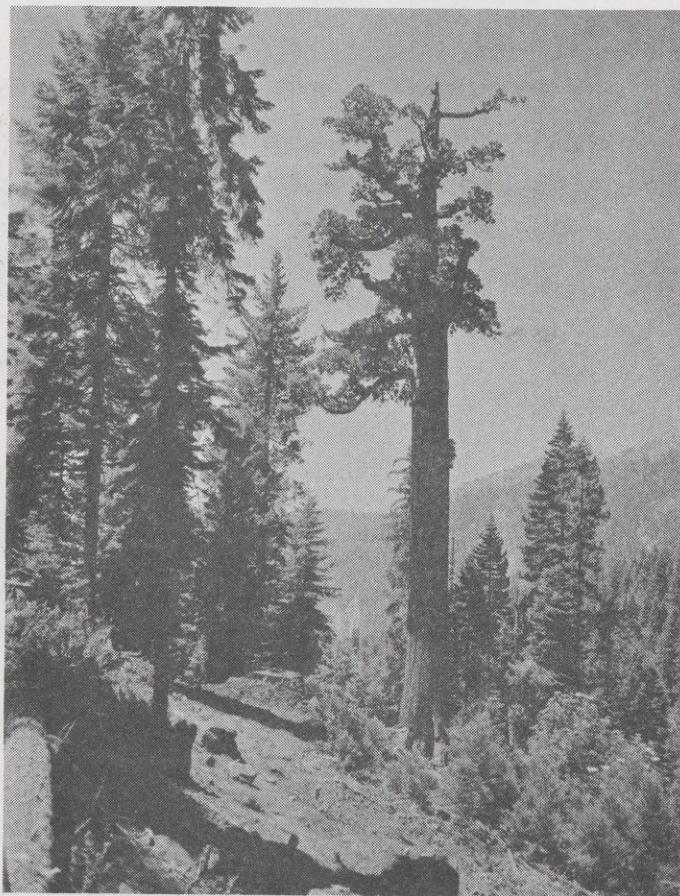
TROPHY AWARDED SAN BERNARDINO RANGER UNIT

DeWitt "Swede" Nelson, Director of the Department of Conservation, is shown presenting Assistant Ranger Donald O'Connell with the winning trophy at the two-day Annual Watershed Fire School in San Bernardino. Ranger Butch Skinner, to the left of Nelson, looks on.



The two-day school and competition between Assistant Ranger Units consisted of line construction, portable pump operations, hose lays, truck operations, truck maintenance, and cleanliness. Crews were also judged on safety, alertness, accuracy, speed and ability to cope with unforeseen problems.

A TREE CALLED "MOSES"



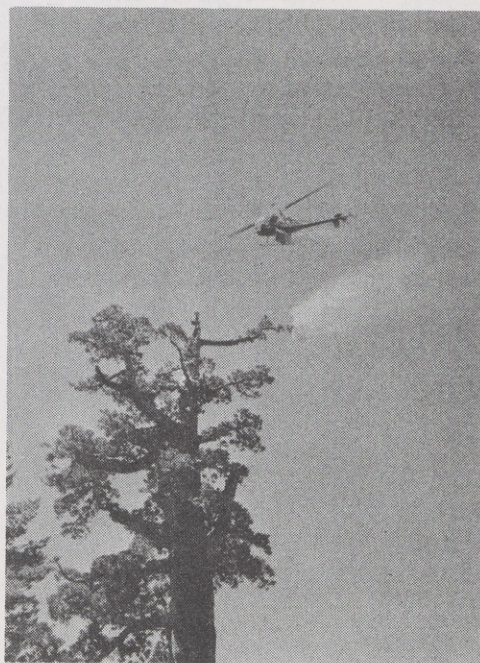
On August 4th, a lightning storm passed over the Southern Sierras and left in its wake a challenging fire problem and one of the biggest news stories Tulare Ranger Unit has known.

A 2,000 year old Sequoia Redwood located 25 miles northeast of Porterville in the Dillon Wood area was set on fire by lightning, 185 feet above the ground.

Ordinarily these trees will soon burn themselves out in two or three days; however, in the case of Moses it was determined by Assistant State Forest Ranger V. Arnold and State Forest Ranger Raymond Banks that due to the extreme dryness of the surrounding fuel, suppression action should be taken.

After dumping close to 1,000 gallons of Gel-Guard on Moses' burning top with a helicopter, it was evident that this was not going to be an easy task. The fire was burning about 12 feet down from the top, the upper portion being a dead spiked top. With every attempt to drop a load of retardant, the spiked top would diffuse the drop and very little of the chemical would reach the burning area.

At this point, plans were being formulated to fell the 200 foot giant. This, too, would be a problem. Dynamite was chosen as the most effective felling tool, because of the 15 foot diameter very few power saws large enough for a job of this size was available in this area. Dropping firey Moses would present another problem. How



far would fire be thrown when the tree fell?

The decision now was to "baby sit" Moses and give it another chance to burn out. This was done by Division of Forestry crews on a 24-hour a day basis from the 6th of August until the 10th. The fire smoldered constantly during this period with no evidence that it was burning out. Several small spot fires were started by sparks blowing down, but were quickly extinguished.

Meantime, the plight of the "Big Tree" was picked up by the news wire service and Moses became national news.

Calls were being received by the Visalia dispatcher from the wire services, most leading California newspapers, radio and television stations from Los Angeles and San Francisco. During the height of activity, one man was kept busy almost full time for three days talking to the news media and preparing news releases.

Many tapes were made for radio and two television studios made on the spot movies.

On August 10, Moses was still burning and the situation appeared grave; then early on August 11, the 12 foot spike burned in two and fell to the ground. This completely exposed the burning top.

Banks resurveyed the situation by observation plane and after conferring with Arnold, it was decided to give it another "go".

On August 12th, the second air drop operation began. During the morning 1,000 gallons of "wet water" was dropped on the tree. The theory being, the wet water would penetrate the ash now accumulated in the burned out center.

The first drops produced a large veil of steam which indicated the water was reaching the heat. By the time the last drop of water was made, a puddle was standing in the depression. The next drops were made with Gel-Guard (viscous water) to "seal off" the burned area. After 8 days and 2,500 gallons of chemicals, Moses was out.

Letters are being received by interested people who followed the fight to save Moses. The following are portions of two of the letters:

From Redwood City--

"I was so pleased to read in the paper that 'Moses' the wonderful old tree had been saved - - - -."

From Marguerita Dittman, Beaumont, Texas--

"- - - After reading of the fire that is burning within the trunk of the dear old tree, just have to let you know that I'm truly praying that you and your crew will manage to save the life of one of God's finest symbols of life."

A suggestion from Bakersfield, California--

"have you tried cutting off oxygen from burning area of lightning struck Redwood - - -."

The importance of an information officer was pointed out by Mr. Tom Corpora, Assistant Bureau Chief of Fresno for United Press International. After the fight to save Moses was over, Mr. Corpora phoned Visalia Headquarters and said he had received the following wire from his head office in New York:

"Three cheers on your tree story. Received nation-wide coverage; request for pictures from many European papers."

The Division of Forestry received considerable attention from this story, as indicated from the public reaction

through phone calls and letters. United Press International's Corpora stated that the most important item in making the story a success, was news media access to a single Division of Forestry information source who remained available with up-to-date information.

Two trade magazines are doing feature articles on the fire. One will emphasize the chemical use and the other will discuss the use of the helicopter.

Harry R. Harp
Asst. State Forest
Ranger
Tulare Ranger Unit

FUTURE LOOKS BRIGHT FOR FAST-GROWING REDWOOD

If trees could talk, "I just can't wait to get growing" would be the prideful claim of young redwood, one of the most productive trees in the world.

While Sequoia Sempervirens (coast redwood) is world famous for its size and prized for its beautiful wood, few people realize how easily it reproduces and how quickly it grows.

At a time when some people are expressing fear that redwoods are in danger of extinction, it is good to know that the future of redwoods is indeed bright. While magnificent stands of old growth redwood are preserved in more than 100,000 acres of publicly-owned parks of the Redwood Region, thousands of acres of young redwoods are being managed along with old-growth on approximately 1,000,000 acres of privately-owned redwood forests.

"It is next to impossible to kill out redwoods," insists Carl Swanson, Simpson operations for-

ester at Korbel. "They naturally reproduce so well there is little need in most areas for artificial reforestation.

"By research on trees now growing we are convinced young redwood can be effectively managed on a sustained yield basis to provide jobs and products forever," Swanson said. "This area is not as far along in managing young stands as the Douglas fir regions of Washington and Oregon, but we are making excellent progress."

Already young redwood amounts to 10 - 15 per cent of the wood economy of the Redwood Region, according to H. K. Trobitz, manager, California timberland division.

The phenomenon known as sprouting accounts for most natural redwood reproduction. When an old growth tree is harvested, hormones activate the dormant buds, causing new growth to sprout from the stump, often within a month. The sprout uses the stump's root system to store food and in about 50 to 80 years it reaches maturity as a tree ready for processing.

In addition to reproduction by sprouting, millions of seeds released by mature redwoods fall to the ground each year and, under favorable conditions, start young forests.

Starting new redwood forests is not a problem; but nurturing them to maturity is. They must be guarded from destruction by fire, diseases and animals.

An idea of redwood's speedy growth can be understood from this fact: Simpson Douglas fir second growth lands in the Shelton Working Circle are adding new wood at an average rate of 800 bd. ft. per acre per year, while young redwood stands on good soil are growing twice that fast.

To improve management practices of young redwood, Simpson foresters directed by Trobitz and Herb Peterson, chief forester, are engaged in a variety of experimental work, both on their own and in cooperation with universities, the federal government and local ranchers.

Near Korb, the Company maintains the largest private forest soils laboratory in California. Here continual efforts are made to learn about soils and their basic influence on tree growth. The University of California and the Humboldt County Agricultural Extension office are cooperating with Simpson on this project.

Two years ago Simpson foresters established 10 plots and applied various types and quantities of fertilizer to study ways of hastening young redwood growth.

Animal damage studies are being carried on cooperatively with Humboldt State College and the State Fish and Game Department in an effort to counteract large scale tree destruction by deer, bear, squirrel and other animals.

Simpson Diamond
July-August 1964

BLAMING THE CIGARETTE FOR FOREST, GRASS FIRES

Try sometime to start a grass fire with a cigarette. You may be able to do it, but it will take time. In the heat of the day pick just the right nest for the cigarette, then get down there and blow on it, and it just might catch. In several efforts at different times we have not been successful. Yet to hear them talk, every cigarette cast into the grass starts a fire.

No one can say that we are friendly to cigarettes, or ever have been, but they are entitled to a square

deal. This is not to say its OK to toss smouldering cigarettes around, especially not on the living room rug or on a table.

So what starts the fires? Maybe a lighted match. That's sure fire. Maybe a piece of glass that happened to focus the sun's rays on dry grass or rotted wood. Maybe a vandal.

We are told that man-made fires account for something over 90% of the total. We've always distrusted that figure, thinking that lightning is the big sinner. A lightning storm can start 40 fires in an afternoon.

This cigarette thing is a cliché, in the opinion of this one individual, just like the habit of blaming a house fire on improper wiring. They'll say it every time.

Mercury Opinion Page
July 3, 1964

LETTER TO RED BLUFF RANGER DATED SEPTEMBER 2, 1964

"My husband and I wish to thank the fellows in the Forestry Service and especially the ones on the Pumper Truck that helped to save our homes up on Deerlick Springs Road (Douglas City).

"Were it not for them and the Honor Camp Crews our homes would have burned to the ground.

"The mountain had slid down onto the road and they had to make a cat trail through Brown creek to get to the bridge over to our houses.

"We were not at home as my husband works for T.H.R. Sand and Gravel and we only get home on weekends.

"The neighbors say the pumper crew and two convict crews sat in our yard between the two houses and fought the fire back up the hill twice.

"From what I can find out they were there from Tuesday night till Friday.

"They also patrolled the driveway and up the cat trails all day Saturday and Sunday they put out small fires on the hill overlooking the county road by the bridge over to our houses.

"All of our clothing, furniture and the can goods I canned this year were in the house (front house).

"My husband had cut, split and stacked our winter wood in the road by the back house instead of going through it they made a cat trail around it.

"Not a thing was touched in or around our houses.

"I hope that the boys you have there who drove and manned the pumper truck knows how grateful we are.

"Thank you again. Keep up the good work!"

/s/ Mr. and Mrs. Joe W. Marshall

LETTER TO RANGER BROCK - PLACER RANGER UNIT - DATED AUGUST 15, 1964

"My wife and I wish to express our gratitude for the quick response and all-out efforts of your men and equipment in connection with yesterday's grass and brush fire near our home.

"As one of the men so modestly said, 'It's our job'; however, we would like everyone to know we are extremely grateful. It is comforting to know a dedicated crew is on the alert as well as to have neighbors who are willing to pitch in at times like this."

/s/ Frank J. Nissen

LETTER OF COMMENDATION TO P.G.&E. EMPLOYEE - DATED AUGUST 24, 1964

"On July 1, 1964 one of your servicemen, Evon E. Stennett, happened upon a fire burning alongside the Bucks Bar Road about six miles East of Diamond Springs. Not only did Mr. Stennett radio a report of the fire to his headquarters for onward relay to us but also he proceeded to take action to control the blaze, using the back-pump with which his vehicle is equipped.

"Please convey to Mr. Stennett our appreciation for his positive action which resulted in this fire being extinguished before it had gained much size. Although we often receive reports from passersby not always are they able, equipped or inclined to try to extinguish a fire when it is still small.

It is our hope that these few words of commendation may not only prove gratifying to Mr. Stennett but also to your many other employees who may at times wonder as to the worth of maintaining firefighting and other equipment in good working condition and ready for action."

/s/ Jack D. Burke

LETTER OF APPRECIATION TO RANGER SKINNER, SAN BERNARDINO RANGER UNIT - DATED JUNE 5, 1964.

"1. On 2 June 1964, our installation suffered a major outbreak of fire in our missile maintenance hangar. Our Fire Department personnel were compelled to call upon your Fire Department for mutual aid assistance.

"2. I wish to convey my personal appreciation for the prompt response and effective application of your fire fighting apparatus and personnel. I would like to personally express my gratitude to your Mr. Bryant and all the personnel who

contributed to the containment of the conflagration. Their exemplary action is a credit to your organization and the California Division of Forestry. "

/s/ Clyde H. Mitchell

AMERICAN MOTORS CORPORATION CON-
SERVATION AWARDS

Nominations are now being accepted for 1964 American Motors Corporation Conservation Awards, which annually honor 20 individuals and two non-profit organizations.

Awards consist of \$500 and an engraved bronze plaque. Objective of the Awards Committee is to select winners whose conservation efforts have not received wide public recognition.

Nominations for the Awards should be submitted by letter before October 15 to, American Motors Conservation Awards Committee, Room 700, 555 Madison Avenue, New York, New York, 10022.

transmitted to the Commission of
the Court of Appeals. The Commission
is a body of five members
appointed by the President of the
United States.

Very truly yours,
John Edgar Hoover

UNITED STATES DEPARTMENT OF JUSTICE
WASHINGTON, D. C.

Enclosed for the Department of Justice
are two copies of a report of the
Commission on the Administration of
Justice, dated June 1, 1934.
The report contains a number of
recommendations for the improvement
of the administration of the
Federal courts. It is believed
that these recommendations will be
of great value to the Department
of Justice.

Respectfully,
John Edgar Hoover
Director
Federal Bureau of Investigation
U. S. Department of Justice
Washington, D. C.

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